

CP Chemistry Ion Sheet

Cations		
1+	2+	3+
copper (I), Cu^+ silver, Ag^+ lithium, Li^+ cesium, Cs^+ potassium, K^+ sodium, Na^+ Polyatomic Ions: ammonium, NH_4^+ hydronium, H_3O^+	cadmium, Cd^{2+} cobalt (II), Co^{2+} copper (II), Cu^{2+} iron (II), Fe^{2+} lead (II), Pb^{2+} mercury (I), Hg_2^{2+} mercury (II), Hg^{2+} nickel (II), Ni^{2+} zinc, Zn^{2+} tin (II), Sn^{2+} barium, Ba^{2+} beryllium, Be^{2+} calcium, Ca^{2+} magnesium, Mg^{2+} strontium, Sr^{2+}	chromium(III), Cr^{3+} iron (III), Fe^{3+} nickel (III), Ni^{3+} aluminum, Al^{3+}
		4+
		tin (IV), Sn^{4+} lead (IV), Pb^{4+}

Anions	
1-	2-
bromide, Br^- chloride, Cl^- fluoride, F^- iodide, I^- acetate, $\text{C}_2\text{H}_3\text{O}_2^-$ hydrogen carbonate or bicarbonate HCO_3^- hydrogen sulfate, HSO_4^- hydroxide, OH^- nitrate, NO_3^- nitrite, NO_2^- permanganate, MnO_4^- hypochlorite, ClO^- chlorite, ClO_2^- chlorate, ClO_3^- perchlorate, ClO_4^- cyanide, CN^- thiocyanate, SCN^-	oxide, O^{2-} sulfide, S^{2-} nitride, N^{3-} carbonate, CO_3^{2-} chromate, CrO_4^{2-} dichromate, $\text{Cr}_2\text{O}_7^{2-}$ oxalate, $\text{C}_2\text{O}_4^{2-}$ peroxide, O_2^{2-} sulfate, SO_4^{2-} sulfite, SO_3^{2-} thiosulfate, $\text{S}_2\text{O}_3^{2-}$
	3-
	phosphide, P^{3-} phosphate, PO_4^{3-}